carry, during thirty miles of his journey, a mould or hod, containing wet clay, weighing together more than 12lbs., and for the other thirty miles, he has to carry back the empty mould, weighing 4lbs., and he has to stoop and pick up the mould no less than six thousand times! What is the gathering of a hundred stones in a single hour compared to the unintermitting exertion of this poor over-worked boy, whose labour in running, stooping, and lifting, is continued for eighteen hours in succession, during which time he removes upwards of twenty-four tons of wet clay? Prodigious as all this appears, we have the authority of the boy's employer that the fact is literally as above stated, and further, that it is not a solitary performance, but has been done for five successive days during the present week. The daily earnings by this amount of labour are stated to be *half-a-crown!*

TRINITY COLLEGE CHURCH, EDINBURGH.—In the course of our recent notes in Edinburgh (which, by the way, circumstances have forced us to leave incomplete for the present), we mentioned the proposed destruction of Trinity College Church by the Railway Company, and expressed regret that one more of the very few remnants of old Edinburgh was about to disappear. We are glad now to be able to say that the structure is to be removed stone by stone and rebuilt elsewhere. Every stone of the old building has been numbered on the face of it with distinct characters, and daguerreotypes of the whole have been taken, including, of course, the number of every stone in its place; and with the aid of these daguerreotypes the church is to be re-erected.

SCHOOLS OF DESIGN IN MECHANICS' INSTITUTES.—The Committee of Management of the London Government School of Design have instructed inquiries to be made into the state of the drawing classes of the mechanics institutes belonging to the Union of Yorkshire Institutes, and to report whether a supply of the Elementary Drawing Book, or other examples of art to a small amount, would be acceptable to them, and to afford them information and advice. This liberal offer was founded on a suggestion in the report of the committee of the Leeds School of Design. The council at Somerset House, with the sanction of members of the Board of Trade, have increased the annual grant for the Leeds School of Design.

THE BRITISH ASSOCIATION AT SWANSEA.—The eighteenth anniversary commenced on Wednesday week, and continued with full attendance and *eclat*, but without the reading of any papers that have hitherto come under our eye as requiring notice in the columns of THE BUILDER. The presidentship, resigned by Sir R. Inglis, was held for the season by the Marquis of Northampton. The mineral treasures of the district of course bore a chief share of the interest of the meeting.

TENDERS

Delivered on the 8th ult. for additions to the workhouse of St. Leonard's, Shoreditch: Mr. Wm. Tress, architect:—

For Vagrant Wards.

Loyd	£1,470
Loynes	1,416
Wood	1,415
Howlett	1,365
Wythe	1,335
Walker and Co.	1,311
Curtis	1,296
Taylor	1,271
Mugeridge	1,210
E. Carter (accepted)	1,197
Hughes	1,190
Perry	1,190
Norris	1,179

For Laundry, Drying-rooms, &c.

Wood	3,445
Loynes	3,340
Loyd	3,320
Perry	3,260
Walker and Co.	3,199
Wythe	3,189
Taylor	3,040
Curtis	3,018
Stephenson	2,970
E. Carter (accepted)	2,950
Hughes	2,900

TO CORRESPONDENTS.

Received.—"H. M." "Thanks: it shall be mentioned": "W. P. G." "J. O." "A Constant Reader" (*re* Lodging House, St. Pancras—next week). "A Subscriber." "T. R. M." "Constant Reader" (Hampshire). "J. G." (Guernsey). "R. B. C." "E. C." "W. R." "H. R." "R. H." "E. W." "A. M." "R. H." An "Operative Mason." "C. E. D." "Country Architect." "B. S." "A Young Carver." "H. and Co." "Subscriber from the first." "R. H." Bath, and "A Subscriber" (Town Clerk, Leicester). Wells and Haverson's Portable Copying Machine.

ADVERTISEMENTS.

REDUCED PRICES.

WILLIAM CLEAVE, of Wilton-road, Pimlico Basin, begs to acquaint Builders and the Trade that he has now on hand, at his Manufactory (the first of its kind ever established), a very large Assortment of Dry and Well-seasoned FLOORING BOARDS and MATCH BOARDING of all sorts, from ¼ inch to 1¼ inch thick, planed to a parallel width and thickness, and at greatly Reduced Prices. Also, Timber, Deals, Oak Planks, Scantlings, Sash Stiles, Moulding prepared by Machinery, Laths, &c.

Apply at W. CLEAVE'S Flooring Manufactory and Timber Yard, Wilton-road, Pimlico Basin, late C. MOORE and SON.

A REDUCTION in the PRICE of FLOOR BOARDS.—ALFRED ROSLING begs to inform the Trade and Customers generally, that he has REDUCED the PRICE, and keeps constantly in stock a large and very general assortment of Prepared Flower Boards and Matched Boarding, laired to a parallel breadth and thickness, and fit for immediate use; also a variety of machine-prepared Mouldings, which are finished with great accuracy and attention to quality of workmanship.—Southwark Bridge Wharf, Bankside, and old Barge Wharf, Upper Ground-street, Blackfriars.

T. ADAMS (late S. DARE), MAHOGANY and TIMBER MERCHANT, Commercial New Road, near the Brick-lane, Spa., SEASONED FLOORING, MATCH-BOARDING PIT FOR IMMEDIATE USE, and MOULDINGS prepared by machinery. Cut Deals and Scantling of every dimension. Mahogany, Cedar, Rosewood, Wainscot, Elm, Beech, Oak, &c., in planks, boards, veneers, and logs: Pantile, Oak, and Fir Laths: Wheelwrights' Goods. All sawn and prepared goods delivered free of expense except timber. Sawing charged at mill prices. Very extensive Drying Sheds.

MAHOGANY.—Twenty Thousand Pounds' worth of dry HONDURAS and SPANISH MAHOGANY and WAINSCOT always on hand, suitable for Builders, Pianoforte Manufacturers, Cabinet and Coachmakers, Railway Contractors, and all persons requiring we recommend materials at moderate prices.—T. C. WILSON'S Timber Yard, 13, Orsett street, Pimlico.—T. C. WILSON adopts this mode of informing the public where they can procure dry and superior articles, in consequence of the numerous complaints of parties having bought wood elsewhere as seasoned, where upon working the same it has proved otherwise.

MUIRS PATENT PLANING MACHINE

SAW MILLS, GILLINGHAM-STREET, PIMLICO.

TIMBER of any size, PLANK, DEALS, and BATTENS, &c., Sawn on the most approved principle Boards, &c., Prepared, Matched, and Grooved, by Muir's Patent Machinery. The Mills have all the advantages of navigation and water-carriage, being connected with the Thames by the Grosvenor Canal. Goods fetched from the docks and carted home free of charge.

Address to HENRY SOUTHAM, Saw Mills, Gillingham-street, Pimlico.

N.B. Estimates given for Sawing and Planing.

WOOD THOROUGHLY SEASONED in DAYS, instead of YEARS, by DAVISON and SYMINGTON'S PATENTED PROCESS, at the Patent Desiccating Company's Establishment (for Seasoning, Sawing, and Planing Wood), at the Grand Surrey Mills, immediately adjoining the Commercial and East Country Docks, Rotherhithe. The new process ensures the entire removal of moisture, hardens the grain, prevents further shrinkage, and strengthens the fibre.—For scale of prices, or license to work the patent, or any further information, address, post-paid, or apply to W. H. TANQUERAY, Secretary.

The Patent Desiccating Company's offices are REMOVED from 28, New Broad street to No. 61, GRACECHURCH-STREET, CITY.

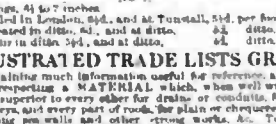
BARROWS, LADDERS, &c., to be SOLD, A GREAT BARGAIN.—viz., Hay Barrows, mostly Easterners, made with ash frames and iron-rim tops, stays to legs, &c.; all sound, at 11s. each. Also about FIRE Ladders: brass mounted, little, very cheap, from 13 to 75 pounds. Trestles, Steps, &c.—Apply at ELLIS'S Ladder and Barrow Manufactory, New-road, St. Pancras.

ENCAUSTIC, VENETIAN, BATH, and other PATENT TILES, and MOSAIC PAVEMENTS, may be obtained in great variety at MINTON and Co.'s Warehouse, 9, Albion-place, Surrey side of Blackfriars-bridge; and at their Manufactory, Stoke-upon-Trent, Staffordshire.—N.B. Slate and Tiles for Fireplaces, plain and ornamental: Door Furniture, &c.

TO BRICK AND TILE MAKERS.

THE AINSLIE BRICK and TILE MACHINE COMPANY (James Smith, Esq., of Deanston, Chairman) invite attention to their improved Bricks and Tile Machines, which are to be seen at work at Alperton, and at the Company's office, 18a, Piccadilly, from Ten a.m. to Five p.m. Mr. Robert Scrivener, who has been appointed manager in the room of Mr. John Ainslie, will show the machines at the works at Alperton, which is within a mile of the Sudbury station of the London and North-Western Railway; also at the Polytechnic Institution, Regent-street, London.—All communications to be addressed to Mr. WILLIAM CHAPMAN, Secretary, at the office of the Company, London, 18a, Piccadilly.—March 1, 1847. These machines may also be seen at Mr. Slight's, Leith-walk, Edinburgh; Mr. Robert Boyle's, Ayr; Mr. Lawrence Hall's, 135, Buchanan-street, Glasgow; Mr. Robert Charles', Millhill, Leeds; Messrs. Penny and Finch's, Pemberton, Staffordshire; Messrs. Drummond and Sons, Dublin; and Mr. John Connor, Newton Lindsay, County Derry.

No. A 6.



No. 7.

Wings, 4½ to 7 inches
Rolled in London, 8½d., and at Tunstall, 8½d. per foot.
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TARPAULINS for COVERING ROOFS during Repairs, SCAFFOLD CORD and every description of ROPE used by Builders upon the lowest terms. Marquees and temporary awnings at sale or hire. Orders per post receive the most prompt attention.—WILLIAM BRIDGETT, 318, Fore-street, City, Manufacturer, by Appointment, to Her Majesty's Honourable Board of Ordnance.

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ALL Persons desirous of taking exact Copies of letters, plans, or other documents, are recommended to use the PORTABLE COPYING MACHINE, by which *for sixpence* may be readily taken in one minute. The machine may be carried in the coat pocket, without inconvenience, and in case of need may be used as a life preserver or special constable's staff.—Price 10s. 6d. Sold only at WELLS and HAVERSON'S, Stationers, &c., 61, Gresham street; and 1, Aldermanbury.

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THE IMPROVED WATER CLOSET, without pan or valve;

THE PATENT JOINT, WHICH REQUIRES NO SOLDER;

THE IMPROVED CISTERN VALVES, &c. &c.

References and Testimonials from Governments and other Works, sent on application.

SNOXELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS, Manufactory, 18, REGENT-STREET and 19, CHANCERY-LANE. Patent sealed on the 4th day of February, 1846, for Fasteners, Traps, for Improvements in Revolving Shutters of Wood and IRON, consisting of Six Methods of Raising and Lowering Shutters, without Machinery, and Two for Hinging and Sheathing the Edges of Wood Laths with Iron.—The Patentee having fixed up some hundreds, will feel pleasure in forwarding the Testimonials of Architects, Principals of large Establishments, and others, having them in use, which fully guarantee the Patentee in stating they are less and dispute superior to any other Revolving Shutter for durability, security, and simplicity, without the use of cross bar or chain and screw gear, or any other complicated machinery employed by other makers.

BUNNETT and CORPE, ENGINEERS, Patentees of REVOLVING IRON AND WOOD SAFETY SHUTTERS, and of ORNAMENTAL METALLIC SASH BARS, MOULDINGS, &c. IN BRASS, COPPER, ZINC, &c. FOR SHOP FRONTS AND SKYLIGHTS, &c.

Shop fronts completely fitted on fixed on a superior style, either plain or ornamental, also glazed with best plate glass, strong moulded sashbars handsomely engraved. Metal works and machinery of all kinds in connection with hothouse-houses, shops, warehouses, &c. &c.

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Office of the Patentees, 38, Lombard street, London; and at the Works, Deptford, Kent.

PATENT CONVEX REVOLVING IRON SHUTTERS, recently manufactured, under license, by the late firm of R. HOWARD and Co., 9, Old street, HAVING OBTAINED A PRIZE,

CLARK and Co., Manufacturers, beg to call the attention of Architects, Builders, and others, to the IMPORTANT IMPROVEMENTS in the above Shutters, and inspection invited at their Manufactory, 28, Warpling, or at their Agents, 48, New Oxford-street. The great importance of strength and stiffness in the laths of REVOLVING IRON SHUTTERS in affording increased security, is obvious, and it is only necessary to point out the fact, that the patent convex laths are twelve times stronger than the ordinary flat laths, to ensure their general adoption.

CLARK and Co. also invite attention to their greatly improved gearing, for raising and lowering the patent Shutters, which, possessing all the advantages of the endless screw motion and wheel, cannot, even by wear, be liable to run down, and entirely avoids the necessity of using the ratchet wheel, and is at once simple and highly effective, and MUCH CHEAPER and MORE DURABLE than any plan yet adopted for that purpose; thus rendering the Patent Revolving Shutters the CHEAPEST and MOST EFFECTIVE in use. These Shutters are fixed horizontally either above or below the line of door, or vertically, for which purpose the greatly increased strength of the convex laths renders their peculiarly suitable; and one, as applied to a doorway, may be seen any day after Four o'clock at the Britannia Life Assurance Office, corner of Princes street, Bank.

CLARK and Co. are the SOLE MANUFACTURERS of REVOLVING SHUTTERS, WITH CONVEX IRON LATHS, Engravings and Prospectuses forwarded on application. IMPROVED INDIA RUBBER METALLIC SASH BARS, ASTRAGALS, MOULDINGS, STALLBOARD PLATES, &c.

Steam Engines always on hand. Sawing and Planing Machinery of every description made to order. Wrought Iron Box and Cast Iron Girders for bridges, buildings, &c.—CLARK and Co., Engineers, 28, Warpling, or at 48, New Oxford-street, and 6, Moorgate-street, City.

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